

## **AMENDMENTS TO THE CLAIMS:**

Please cancel claims 1-15 and add new claims 16-29 to read as follows:

### **WHAT IS CLAIMED IS:**

16. **(New)** An audio signal processing apparatus for processing an audio signal outputted from receiving means which is provided for receiving a signal transmitted hereto through a digital transmission route, said apparatus comprising:

audio processing means for processing said audio signal; and

control means for judging a reception state using a bit error rate and an AGC voltage, and controlling signal processing contents to be executed by the audio processing means in accordance with a result of said judging,

wherein when judging from said bit error rate that a reception state is not acceptable, the control means judges from a value of said AGC voltage whether a reception electric field is a weak electric field so as to judge the reception state.

17. **(New)** The audio signal processing apparatus according to claim 16, wherein the audio processing means individually performs a signal processing on said audio signal in each channel.

18. **(New)** The audio signal processing apparatus according to claim 16, wherein when the control means has judged from a value of said AGC voltage that a reception electric field is not a weak electric field, said control means judges a reception state from a changing amount of said AGC voltage.

19. **(New)** The audio signal processing apparatus according to claim 18, wherein when a changing amount of the AGC voltage is smaller than a predetermined value, the control means judges that a reception field has been stabilized, and controls said signal processing contents in response to a result of said judging.

20. **(New)** The audio signal processing apparatus according to claim 18, wherein when a changing amount of the AGC voltage is larger than a predetermined value, the control means judges that there is not an influence from a multi-pass, and controls said signal processing contents in response to a result of said judging.

21. **(New)** The audio signal processing apparatus according to any one of claims 16, 18 and 20, wherein when the control means has judged from a value of said AGC voltage that a reception electric field is a weak electric field, said control means judges a reception state from a changing amount of C/N value of the receiving means.

22. **(New)** The audio signal processing apparatus according to claim 21, wherein when a changing amount of C/N value is smaller than a predetermined value, the control means judges that a reception electric field is a weak electric field, and controls the signal processing contents in response to a result of said judging.

23. **(New)** The audio signal processing apparatus according to claim 21, wherein when a changing amount of C/N value is larger than a predetermined value, the control means judges that there is not an influence from a multi-pass, and controls the signal

processing contents in response to a result of said judging.

**24. (New)** The audio signal processing apparatus according to claim 22, wherein when a changing amount of C/N value is larger than a predetermined value, the control means judges that there is not an influence from a multi-pass, and controls the signal processing contents in response to a result of said judging.

**25. (New)** An audio signal processing apparatus for processing an audio signal outputted from receiving means which is provided for receiving a signal transmitted hereto through a digital transmission route, said apparatus comprising:

audio processing means for processing said audio signal; and

control means for judging a reception state using a plurality of information indicating an internal state of said receiving means, and controlling signal processing contents to be executed by the audio processing means in accordance with a result of said judging,

wherein said control means controls the signal processing contents in response to said reception state and a change of an amount of an audio signal outputted from said receiving means.

**26. (New)** The audio signal processing apparatus according to claim 25, wherein information in relation to a change of said audio signal includes an aggravation period in which an audio signal amount is lower than a threshold and an aggravation interval which is an interval of the aggravation period.

**27. (New)** An audio signal processing method for processing an audio signal outputted from receiving means which is provided for receiving a signal transmitted hereto through a digital transmission route, said method comprising:

an audio processing step for processing said audio signal; and

a control step for judging a reception state using a plurality of information indicating an internal state of said receiving means, and controlling signal processing contents of the audio processing step in accordance with a result of said judging,

wherein said control step controls the signal processing contents in response to said reception state and a change of an amount of an audio signal outputted from said receiving means.

**28. (New)** A computer program for a computer to execute, which computer is provided for processing an audio signal outputted from receiving means provided for receiving a signal transmitted hereto through a digital transmission route, said program comprising:

an audio processing step for processing said audio signal; and

a control step for judging a reception state using a plurality of information indicating an internal state of said receiving means, and controlling signal processing contents of the audio processing step in accordance with a result of said judging,

wherein said control step controls the signal processing contents in response to said reception state and a change of an amount of an audio signal outputted from said receiving means.

29. **(New)** A recording medium having recorded therein a computer program for a computer to execute, which computer is provided for processing an audio signal outputted from receiving means provided for receiving a signal transmitted hereto through a digital transmission route, said program comprising:

an audio processing step for processing said audio signal; and

a control step for judging a reception state using a plurality of information indicating an internal state of said receiving means, and controlling signal processing contents of the audio processing step in accordance with a result of said judging, and further controlling the signal processing contents in response to said reception state and a change of an amount of an audio signal outputted from said receiving means.